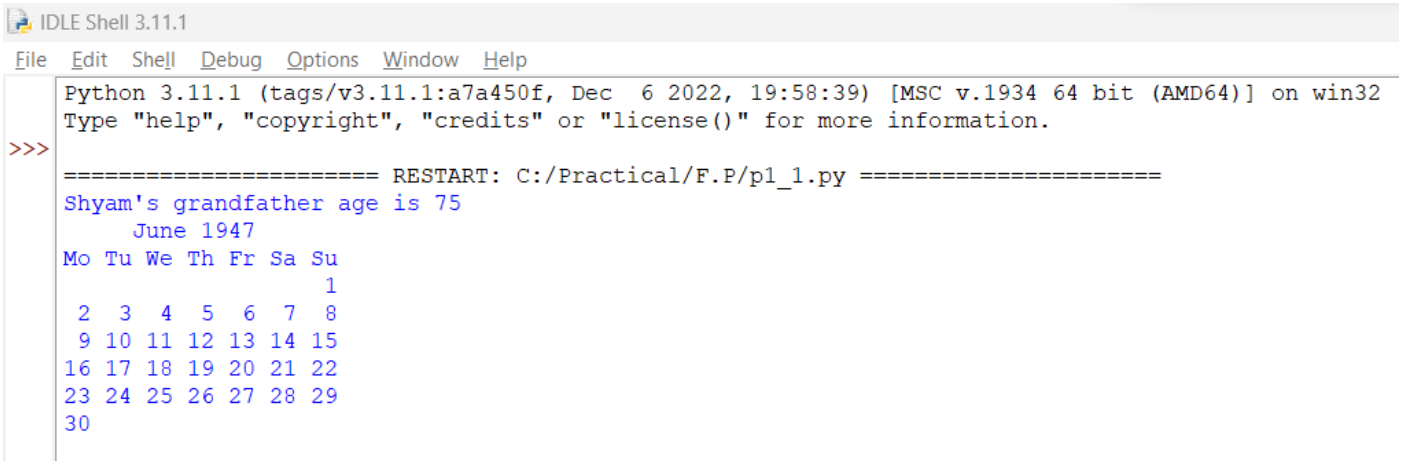
# Practical – 1

**AIM1**: Shyam wants to know age of his grandfather who was born on 5th June,1947. Kindly help shyam to know how old is his grandfather? Also, print the calendar for the month and year on which shyam's grandfather was born.

**Code**:

```
import datetime

birth_date = datetime.date(1947, 6, 5)

today_date = datetime.date.today()

age = today_date.year - birth_date.year - ((today_date.month, today_date.day) < (birth_date.month, birth_date.day))

print("Shyam's grandfather age is", age)

import calendar

cal = calendar.month(1947, 6)

print(cal)
```

**Output**:



**AIM2**: In an online game competition, a registration form has to be filled up by

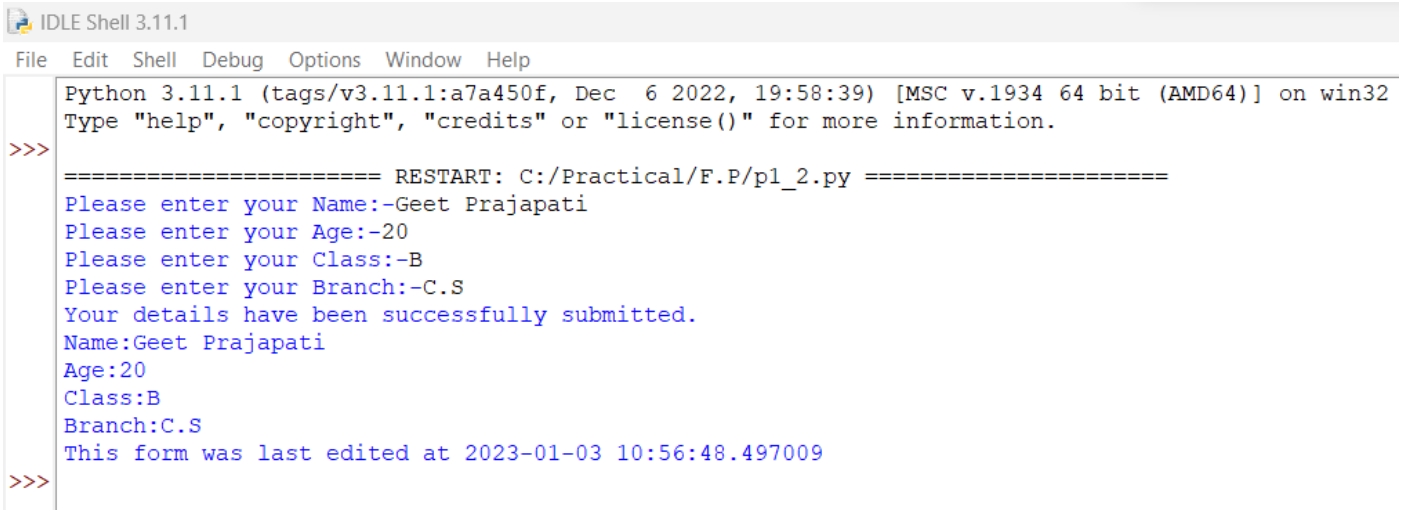
user. Kindly help user to perform following operation while submitting

form.

**Code**:

```
name = input("Please enter your Name:-")

age = input("Please enter your Age:-")

Class = input("Please enter your Class:-")

branch = input("Please enter your Branch:-")

print("Your details have been successfully submitted.\nName:{}\nAge:{}\n Class:{}\nBranch:{}".format (name, age, Class, branch))

import datetime

now = datetime.datetime.now()

print("This form was last edited at {}".format(now))
```

**Output**:



**AIM3**: Given a number game one needs to generate any random number; iterate through the all digits present and print the sum of all digits.

**Code**:

```
import random
n = random.randint(0, 1000)
print("Enter a number between 0 and 1000:-",n)
sum = 0
while(n > 0):
    digit = n % 10
    sum = sum + digit
    n = n // 10
print("Sum of the digits is:", sum)
```

**Output**: